

Marlboro BRF010-1(43)

TYPE I REINFORCING CERTIFICATIONS FOR ABUTMENTS
1 & 2, WINGWALLS 1, 2, 3 & 4 AND APPROACH SLABS 1 & 2

VERMONT AGENCY OF TRANSPORTATION
MATERIALS && RESEARCH SECTION
CERTIFICATION && INDEPENDENT ASSURANCE UNIT

TYPE "D" RECORD OF CERTIFICATION FROM MANUFACTURER

NAME OF MANUFACTURER: NUCOR STEEL AUBURN, INC

ADDRESS: 25 QUARRY ROAD, AUBURN, NY 13021

WE HEREBY CERTIFY: REINFORCING STEEL, LEVEL I

IN THE QUANTITY OF:

81,926 LB

FURNISHED BY: CAPITAL STEEL / ADELPHIA METALS

(Contractor or Supplier)

FOR USE ON: 0260 MARLBORO BRIDGE 010-1(43)

IDENTIFIED BY:

CONFORMS TO ALL REQUIREMENTS OF THE STATE OF VERMONT AGENCY OF TRANSPORTATION 2011 STANDARD SPECIFICATIONS, PERTINENT PROJECT PLANS, AND SPECIAL PROVISIONS FOR THE ABOVE STATED CONTRACT FOR ITEM OR ITEMS LISTED AS FOLLOWS: 507.11 AND THAT PROCESSING, PRODUCT TESTING AND INSPECTION CONTROL OF RAW MATERIALS ARE IN CONFORMITY WITH ALL APPLICABLE SPECIFICATIONS, DRAWINGS AND/OR STANDARDS OF ALL MATERIALS FURNISHED.

Subscribed and sworn to before me June 12, 2014

By:

Signature of Authorized

ASHLEY ELIZABETH SMITH
Notary Public, State of New York
No. 01SM6268769

Qualified in Cayuga County
Commission Expires September 17, 2016

Notary

Commission Expiring

Name (Type or

Title: Rolling Mill Metallurgist

Company Status or

CERTIFICATIONS FOR MATERIALS REQUIRING A TYPE "C" OR "D" CERTIFICATION, WHEN SPECIFIED BY CONTRACT PROVISIONS, MUST BE ACCOMPANIED BY MILL TEST REPORTS SHOWING CHEMICAL AND PHYSICAL ANALYSES.

THIS CERTIFICATION IS TO BE COMPLETED BY THE MANUFACTURER OF THE MATERIALS AND NOT BY THE SUPPLIER OR DEALER. THIS CERTIFICATION IS TO BE SENT TO:

Vermont Agency of Transportation

Materials && Research Section
2178 Airport Road, Unit B
Berlin, Vermont 05641
Attention: C && IA Supervisor

TA 562
Rev 02/03

Sold To: ADELPHIA METALS I LLC
411 MAIN ST E
NEW PRAGUE, MN 56071-0000
(952) 758-7500

Ship To: ADELPHIA METALS
CUSTOMER PICK UP
WILLOW GROVE, PA 19090-0000
(800) 357-8335

Customer P.O.	810762	Sales Order	305531.3
Product Group	Rebar	Part Number	900000164804205
Grade	ASTM A615/A615M-12 GR 60[420] AASHTO M31-07	Lot #	AU1310646501
Size	16/#5 Rebar	Heat #	AU13106465
Product	16/#5 Rebar 40' A615M GR420 (Gr60)	B.L. Number	Y1-435950
Description	A615M GR 420 (Gr60)	Load Number	Y1-182858
Customer Spec		Customer Part #	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Roll Date: 1/1/2014 Melt Date: 12/20/2013 Qty Shipped LBS: 5,006 Qty Shipped Pcs: 120

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb
0.43%	1.15%	0.025%	0.051%	0.21%	0.30%	0.10%	0.14%	0.020%	0.0010%	0.001%

Yield 1: 65,000psi (448MPa)

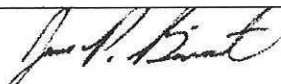
Tensile 1: 102,800psi (709MPa)

Elongation: 14.3% in 8"(% in 203.3mm)

Bend OK

Specification Comments:

ALL MANUFACTURING PROCESSES OF THE STEEL MATERIALS IN THIS PRODUCT, INCLUDING MELTING, HAVE OCCURRED WITHIN THE UNITED STATES. ALL PRODUCTS PRODUCED ARE WELD FREE. MERCURY, IN ANY FORM, HAS NOT BEEN USED IN THE PRODUCTION OR TESTING OF THIS MATERIAL.



Jim Biernat

Division Metallurgist

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Customer P.O.	807893	Sales Order	297579.2
Product Group	Rebar	Part Number	900000254804200
Grade	ASTM A615/A615M-12 GR 60[420] AASHTO M31-07	Lot #	AU1210623901
Size	25/#8 Rebar	Heat #	AU12106239
Product	25/#8 Rebar 40' A615M GR420 (Gr60)	B.L. Number	Y1-423463
Description	A615M GR 420 (Gr60)	Load Number	Y1-170270
Customer Spec		Customer Part #	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Roll Date: 12/13/2012 Melt Date: 12/11/2012 Qty Shipped LBS: 32,040 Qty Shipped Pcs: 300

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb
0.40%	1.01%	0.018%	0.075%	0.22%	0.34%	0.09%	0.14%	0.034%	0.0100%	0.002%

Yield 1: 65,300psi (450MPa)

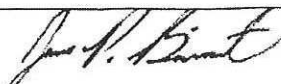
Tensile 1: 100,100psi (690MPa)

Elongation: 17.5% in 8"(% in 203.3mm)

Bend OK

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Customer P.O.	808315	Sales Order	298798.3
Product Group	Rebar	Part Number	900000294804200
Grade	ASTM A615/A615M-12 GR 60[420] AASHTO M31-07	Lot #	AU1210473901
Size	29/#9 Rebar	Heat #	AU12104739
Product	29/#9 Rebar 40' A615M GR420 (Gr60)	B.L. Number	Y1-425672
Description	A615M GR 420 (Gr60)	Load Number	Y1-172311
Customer Spec		Customer Part #	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Roll Date: 10/1/2012 Melt Date: 9/27/2012 Qty Shipped LBS: 26,928 Qty Shipped Pcs: 198

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb
0.42%	1.02%	0.018%	0.055%	0.20%	0.36%	0.09%	0.17%	0.027%	0.0100%	0.001%

Yield 1: 68,700psi (474MPa)

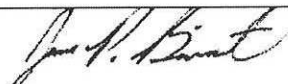
Tensile 1: 106,300psi (733MPa)

Elongation: 13.5% in 8"(% in 203.3mm)

Bend OK

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 WILLOW GROVE, PA 19090-0000
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Customer P.O.	811303	Sales Order	307146.1
Product Group	Rebar	Part Number	900000294804200
Grade	ASTM A615/A615M-12 GR 60[420] AASHTO M31-07	Lot #	AU1410074201
Size	29/#9 Rebar	Heat #	AU14100742
Product	29/#9 Rebar 40' A615M GR420 (Gr60)	B.L. Number	Y1-438552
Description	A615M GR 420 (Gr60)	Load Number	Y1-185422
Customer Spec		Customer Part #	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Roll Date: 2/9/2014 Melt Date: 2/7/2014 Qty Shipped LBS: 17,952 Qty Shipped Pcs: 132

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb
0.43%	1.04%	0.015%	0.048%	0.19%	0.35%	0.07%	0.11%	0.020%	0.0090%	0.001%

Yield 1: 67,700psi (467MPa)

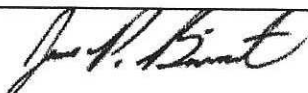
Tensile 1: 105,800psi (729MPa)

Elongation: 15.5% in 8"(% in 203.3mm)

Bend OK

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Jim Biernat
 Division Metallurgist

Renaud Bros. Inc.
283 Ft. Bridgman Rd.
Vernon Vt.
05354
Ph. (802)257-7383
Fax (802)257-7308
Adunklee@sover.net

Packing Slip

Invoice No.: 10571
Order No.: Marl. BRF 010-(43)

Date: 06/06/2014
Due Date: 07/06/2014
Ship By: 6/27/13

Bill To:
Renaud Bros. Inc.
283 Ft. Bridgman Rd.
Vernon Vt.
05354

Item	Description	Qty
	Uncoated rebar for Approach Slabs & Abutments	1

Description	Length	Required	Done	Remaining	Material	Part code
MA_APPR.SLAB1	13' 3"	22	22	0	#5 Rebar	1AS501
MA_APPR.SLAB1	28' 6"	21	21	0	#5 Rebar	1AS502
MA_APPR.SLAB2	13' 6"	21	21	0	#5 Rebar	2AS501
MA_APPR.SLAB2	29'	21	21	0	#5 Rebar	2AS502
MA_ABUT.1	22' 1"	31	31	0	#5 Rebar	1A501
MA_ABUT.1	14' 11"	30	30	0	#5 Rebar	1A503
MA_ABUT.2	22' 1"	30	30	0	#5 Rebar	2A501
MA_ABUT.2	14' 11"	23	23	0	#5 Rebar	2A503
MA_ABUT.2	15' 2"	30	30	0	#5 Rebar	2A505
MA_APPR.SLAB1	20' 9"	49	49	0	#9 Rebar	1AS901
MA_APPR.SLAB2	20' 9"	50	50	0	#9 Rebar	2AS901
MA_ABUT.1	19' 1"	22	22	0	#8 Rebar	1A802
MA_ABUT.1	18' 8"	31	31	0	#8 Rebar	1A803
MA_ABUT.2	16' 10"	23	23	0	#8 Rebar	2A802
MA_ABUT.2	18' 10"	0	0	0	#8 Rebar	2A803